By far, the most widely used modern version control system in the world today is Git.

Version control, also known as source control, is the practice of tracking and managing changes to software code. Version control systems are **software tools that help software teams manage changes to source code over time**.

**Advantages:**

* Good distributed model as each developer gets a local repository with a full history of commits which makes git fast compared to other VCs.
* Branching capabilities and merging are easy (as they are cheap), good data integrity.
* They are free and open-source we can easily download the source code and performs changes to it. They can handle larger projects efficiently.
* The push/pull operations are faster with a simple They save time and developers can fetch and create pull requests without switching.
* Data redundancy and replications. Add ons can be written in many languages.
* They have good and faster network performance and superior disk utilization and they think about its data like a sequence of snapshots.
* The object model is very simple and minimizes push/pull data transfers.

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